

WEST**Search Results - Record(s) 1 through 1 of 1 returned.**

L5: Entry 1 of 1

File: USPT

Feb 1, 2000

US-PAT-NO: 6020125

DOCUMENT-IDENTIFIER: US 6020125 A

TITLE: Basal body rod protein FlgF of campylobacter

DATE-ISSUED: February 1, 2000

US-CL-CURRENT: 435/6; 435/7.21, 435/91.2, 514/423, 514/44INT-CL: [6] C12 Q 1/68

4/9/02
BS

Set Items Description

Cost is in DialUnits

?ds

Set Items Description

S1 2 HELA/TI AND CAMPYLOBACTER?/TI AND JEJUNI/TI AND MEMBRANE?/-

TI

?e campylobacter jejuni

Ref Items RT Index-term

E1 1 CAMPYLOBACTER INFECTIONS --URINE --UR

E2 525 CAMPYLOBACTER INFECTIONS --VETERINARY --VE

E3 1334 4 *CAMPYLOBACTER JEJUNI

E4 2 CAMPYLOBACTER JEJUNI --ANALYSIS --AN

E5 61 CAMPYLOBACTER JEJUNI --CHEMISTRY --CH

E6 217 CAMPYLOBACTER JEJUNI --CLASSIFICATION --CL

E7 10 CAMPYLOBACTER JEJUNI --CYTOLOGY --CY

E8 150 CAMPYLOBACTER JEJUNI --DRUG EFFECTS --DE

E9 34 CAMPYLOBACTER JEJUNI --ENZYMOLOGY --EN

E10 334 CAMPYLOBACTER JEJUNI --GENETICS --GE

E11 122 CAMPYLOBACTER JEJUNI --GROWTH AND DEVELOPMENT

E12 220 CAMPYLOBACTER JEJUNI --IMMUNOLOGY --IM

Enter P or PAGE for more

?p

Ref Items RT Index-term

E13 466 CAMPYLOBACTER JEJUNI --ISOLATION AND PURIFICAT

E14 69 CAMPYLOBACTER JEJUNI --METABOLISM --ME

E15 142 CAMPYLOBACTER JEJUNI --PATHOGENICITY --PY

E16 59 CAMPYLOBACTER JEJUNI --PHYSIOLOGY --PH

E17 1 CAMPYLOBACTER JEJUNI --RADIATION EFFECTS --RE

E18 29 CAMPYLOBACTER JEJUNI --ULTRASTRUCTURE --UL

E19 0 1 CAMPYLOBACTER PYLORI

E20 2 CAMPYLOBACTERACEAE

E21 1 CAMPYLOBACTERAHNLICHE

E22 1 CAMPYLOBACTERARTEN

E23 1 CAMPYLOBACTERCINAEDI

E24 1 CAMPYLOBACTERENTERIT

Enter P or PAGE for more

?s e3-e18

1334	CAMPYLOBACTER JEJUNI
2	CAMPYLOBACTER JEJUNI --ANALYSIS --AN
61	CAMPYLOBACTER JEJUNI --CHEMISTRY --CH
217	CAMPYLOBACTER JEJUNI --CLASSIFICATION --CL
10	CAMPYLOBACTER JEJUNI --CYTOLOGY --CY
150	CAMPYLOBACTER JEJUNI --DRUG EFFECTS --DE
34	CAMPYLOBACTER JEJUNI --ENZYMOLOGY --EN
334	CAMPYLOBACTER JEJUNI --GENETICS --GE
122	CAMPYLOBACTER JEJUNI --GROWTH AND DEVELOPMENT
220	CAMPYLOBACTER JEJUNI --IMMUNOLOGY --IM
466	CAMPYLOBACTER JEJUNI --ISOLATION AND PURIFICAT
69	CAMPYLOBACTER JEJUNI --METABOLISM --ME
142	CAMPYLOBACTER JEJUNI --PATHOGENICITY --PY
59	CAMPYLOBACTER JEJUNI --PHYSIOLOGY --PH
1	CAMPYLOBACTER JEJUNI --RADIATION EFFECTS --RE
29	CAMPYLOBACTER JEJUNI --ULTRASTRUCTURE --UL

S2 1334 E3-E18

?e e3

Ref Items Type RT Index-term

R1 1334 4 *CAMPYLOBACTER JEJUNI

R2 1334 X DC=B3.440.180.425. (CAMPYLOBACTER JEJUNI)

R3 1334 X DC=B3.660.150.100.375. (CAMPYLOBACTER JEJUNI)
R4 1334 X DC=B3.825.225.425. (CAMPYLOBACTER JEJUNI)
R5 7670 B 9 CAMPYLOBACTER

?s r1-r4

1334 CAMPYLOBACTER JEJUNI
1334 DC=B3.440.180.425. (CAMPYLOBACTER JEJUNI)
1334 DC=B3.660.150.100.375. (CAMPYLOBACTER JEJUNI)
1334 DC=B3.825.225.425. (CAMPYLOBACTER JEJUNI)

S3 1334 R1-R4

?e r5

Ref	Items	Type	RT	Index-term
R1	7670		9	*CAMPYLOBACTER
R2	2729	X		DC=B3.440.180. (CAMPYLOBACTER)
R3	2729	X		DC=B3.660.150.100. (CAMPYLOBACTER)
R4	2729	X		DC=B3.825.225. (CAMPYLOBACTER)
R5	3	B	12	EPSILON PROTEOBACTERIA
R6	6795	B	270	GRAM-NEGATIVE BACTERIA
R7	3	B	13	SPIRAL AND CURVED BACTERIA
R8	255	N	4	CAMPYLOBACTER COLI
R9	1749	N	5	CAMPYLOBACTER FETUS
R10	1334	N	4	CAMPYLOBACTER JEJUNI

?ds

Set Items Description

S1 2 HELA/TI AND CAMPYLOBACTER?/TI AND JEJUNI/TI AND MEMBRANE?/-
TI

S2 1334 E3-E18

S3 1334 R1-R4

?s (s2 or s3) and ((92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100 or 101 or 102)
(5n) (kda or kilodalton? or dalton? or rmw or mw or molecular? or immunoblot? or wester
n?))

1334 S2
1334 S3
66758 92
61739 93
62564 94
152561 95
75254 96
58125 97
60010 98
114737 99
384445 100
19504 101
19404 102
83296 KDA
6525 KILODALTON?
12794 DALTON?
22 RMW
7256 MW
742181 MOLECULAR?
48092 IMMUNOBLOT?
97135 WESTERN?
12410 ...

S4 10 (S2 OR S3) AND ((92 OR 93 OR 94 OR 95 OR 96 OR 97 OR 98
OR 99 OR 100 OR 101 OR 102) (5N) (KDA OR KILODALTON? OR
DALTON? OR RMW OR MW OR MOLECULAR? OR IMMUNOBLOT? OR
WESTERN?))

?t s4/9/all

*4/15/02
medal
stand*

USPT

jejuni same (kda or dalton or kilo-dalton or kilodalton or mw or rmw or western or immunoblot\$)

2002-04-04 15:16:13

S2881

U

USPT

jejuni same (kda or dalton or kilo-dalton or kilodalton or mw or rmw or western or immunoblot\$ or 92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100)

2002-04-04 14:58:27

S2880

U

USPT

slayer)) same (jejuni or

((surface near array near protein) or (sapa or sap or s-layer or campylobacter)

2002-04-04 14:55:21

S2879

U

USPT

slayer)

(surface near array near protein) or (sapa or sap or s-layer or

2002-04-04 14:55:05

S2878

U

USPT

sapa or sap or s-layer or slayer

2002-04-04 14:54:54

S2877

U

USPT

surface near array near protein

2002-04-04 14:52:2

Surface components of *Campylobacter* and *Helicobacter*

Author(s): Penn CW (REPRINT)

Corporate Source: Univ Birmingham, Sch Biosci, Birmingham B15 2TT/W
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Journal Subject Category: BIOTECHNOLOGY & APPLIED MICROBIOLOGY;
MICROBIOLOGY

Abstract: The major components of the surfaces of *Helicobacter pylori* and *Campylobacter jejuni* are considered in turn, comparing and contrasting where possible the key features of each organism. The components considered are the outer membrane, including protein as well as polysaccharide components; the S-layer proteins of *Campylobacter fetus* and *Campylobacter rectus*; and the flagella of both organisms including the regulation of flagellar gene expression. Proteins secreted by these organisms are also considered. In conclusion, it is clear that the unique pathogenic properties of these closely related organisms are dependent to a large extent on key differences in their surface components.

Identifiers--KeyWord Plus(R): OUTER-MEMBRANE PROTEIN; LIPOPOLYSACCHARIDE BIOSYNTHESIS LOCUS; FIBRONECTIN-BINDING PROTEIN; FLAGELLAR SHEATH PROTEIN; LAYER PROTEINS; S-LAYER; POSTTRANSLATIONAL MODIFICATION; MOLECULAR CHARACTERIZATION; GENOME SEQUENCE; CELL-MEMBRANES